

Legend: Task Receives Resource
Task Requests Resource That Is Unavailable

FIG. 1

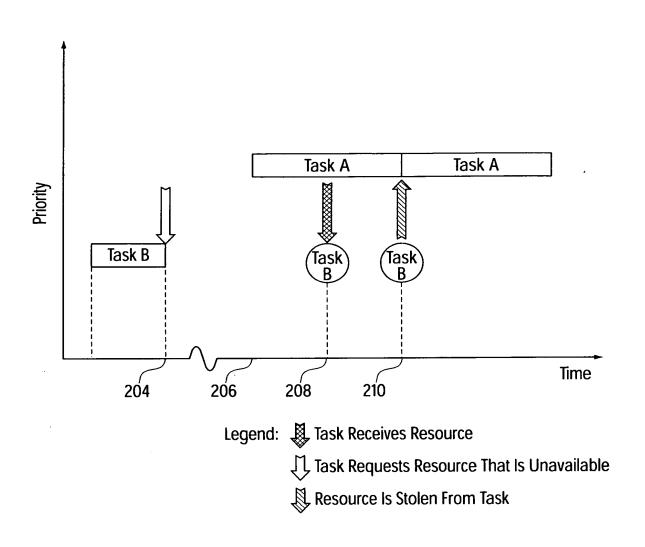
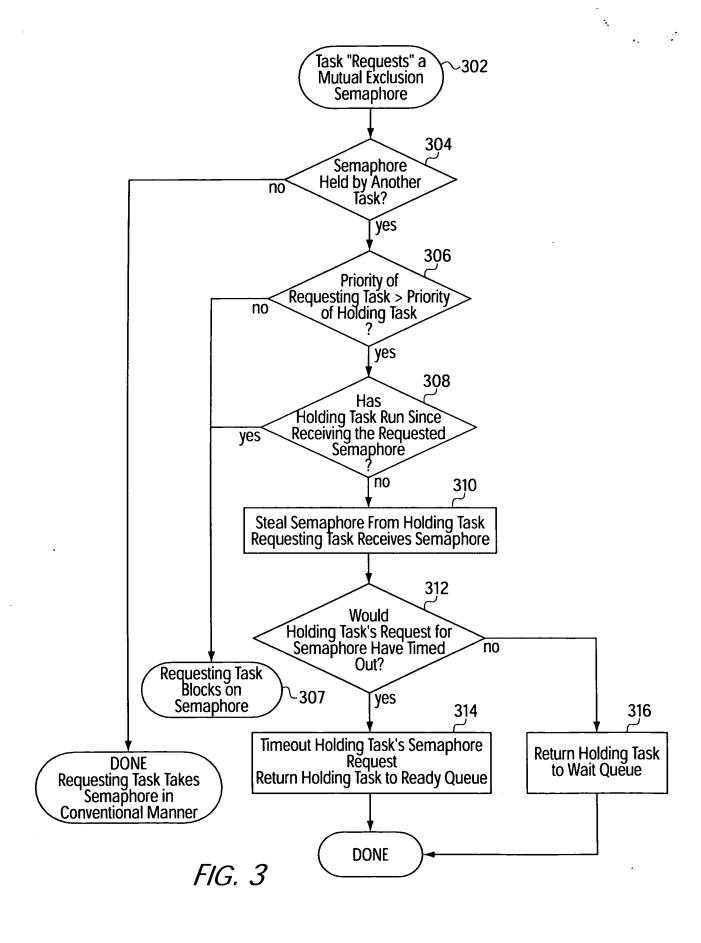
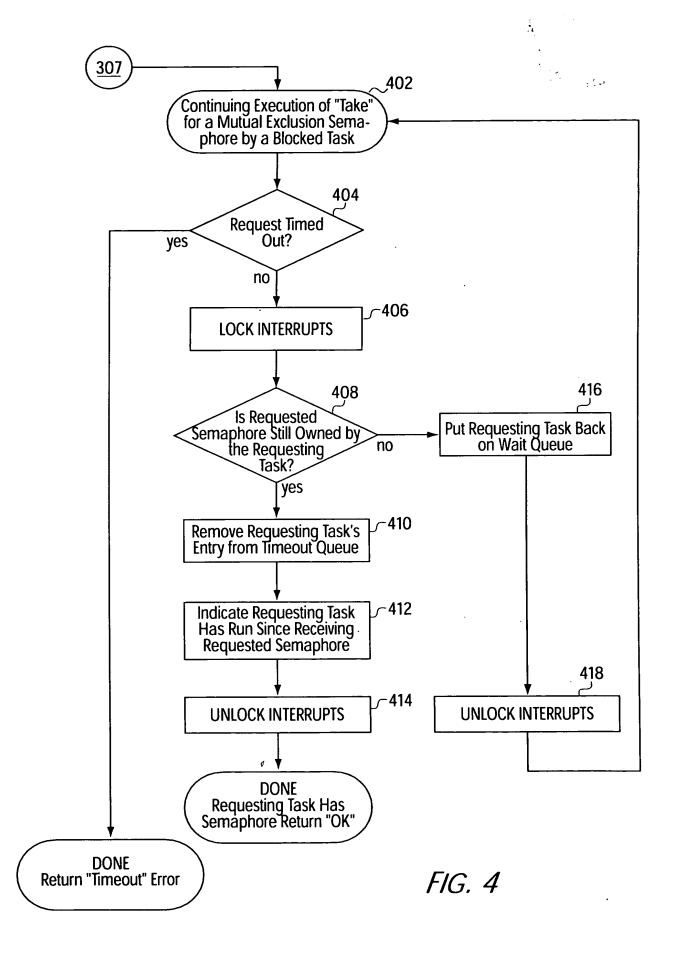


FIG. 2





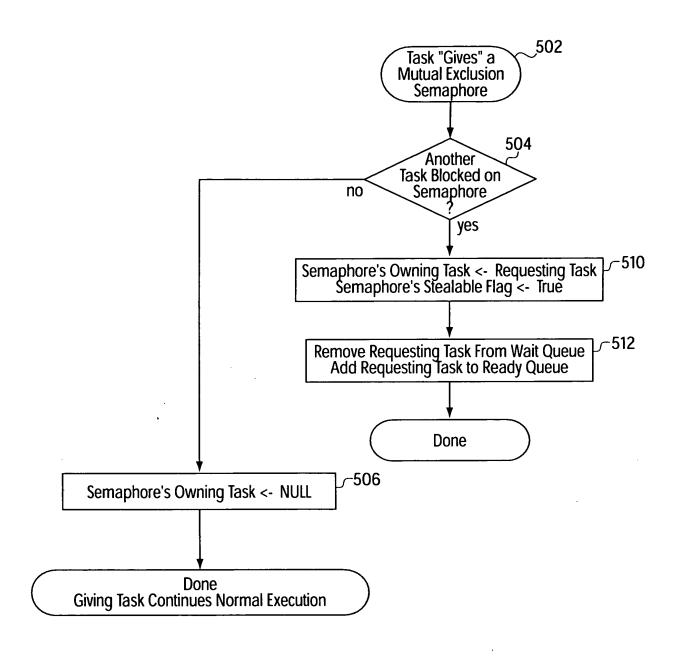


FIG. 5

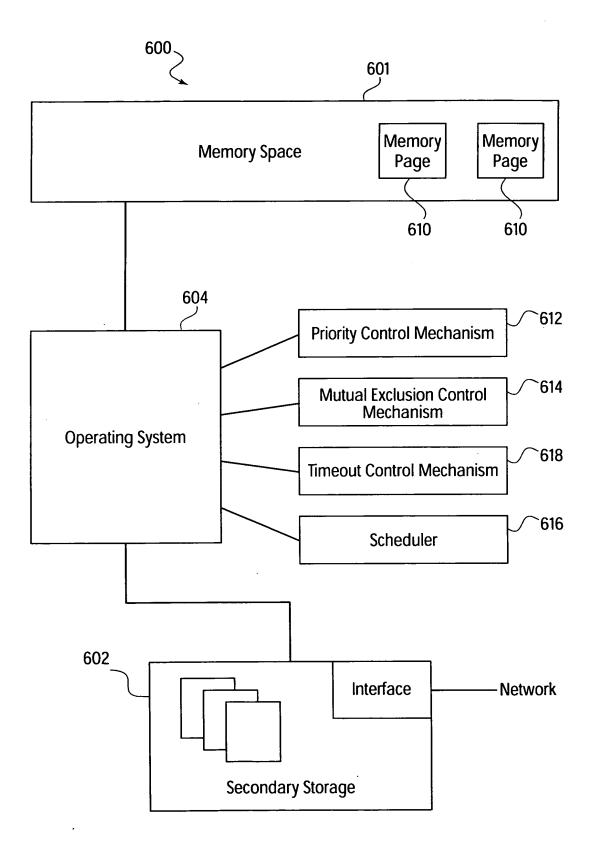
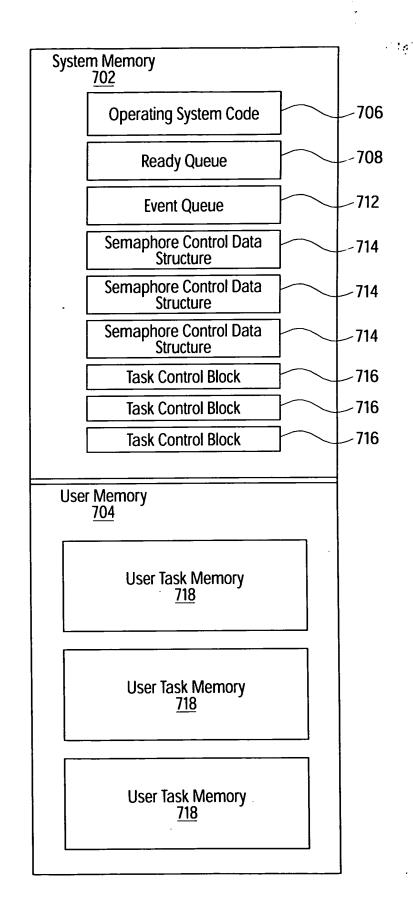
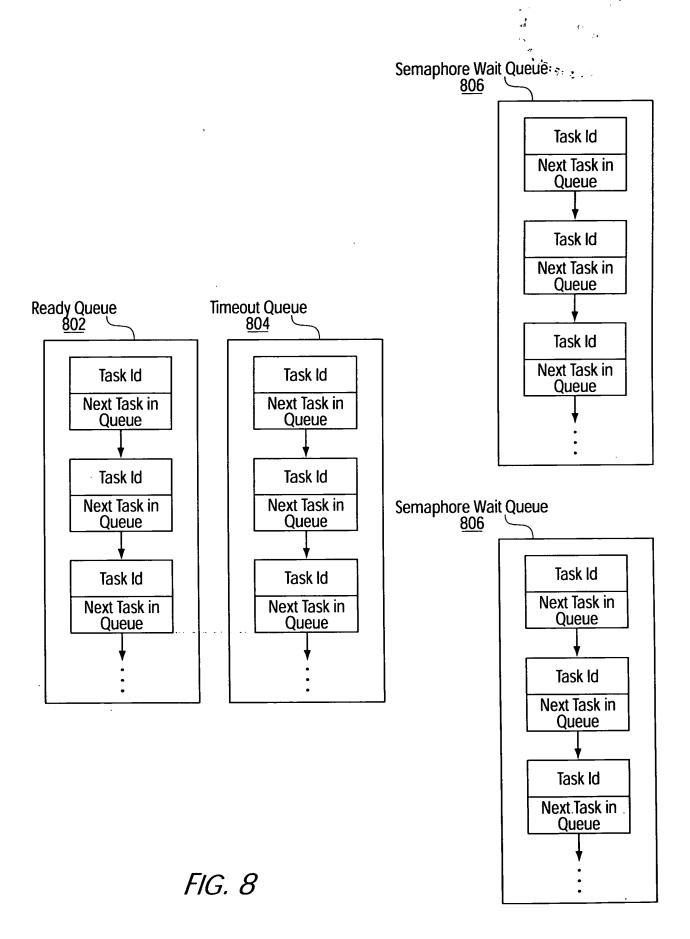


FIG. 6



Memory Space 601

FIG. 7



	,	, ——	1002	1004	1006	1008	0101	П	7	·
			Owning Task	Semaphore Type	Recursion Count	Stealable Flag	Wait Queue Head Pointer			FIG. 10
	_		1001	$\smile$						
/I	> 905	904	906	806	910	915	914	916	918	117
	Current Priority	Task State	Semaphore Blocked On	Memory Pointer	Ready/Wait Queue Pointer	Ready/Wait Queue Back Pointer	Timeout Queue Pointer	Timeout Queue Back Pointer	Timeout Limit	

FIG. 9

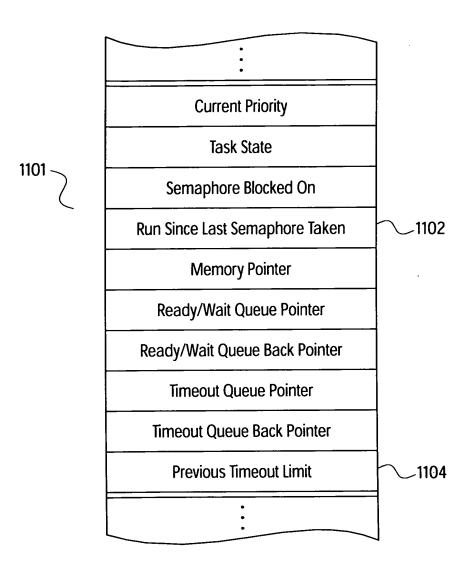


FIG. 11